

## **ABSTRACT**

This is a method to keep user interaction states of a web application within a user agent, such as a web browser, by recording those states into a dynamically tagged tree structure, such as the document object model (DOM) structure, which resides in the user agent memory. Active current state is the collection of the tree nodes that are tagged active and rendered in the user agent. We also describe an embodiment of such method in the context of a system with server modules to systematically create and manipulate the client-side user agents' dynamically tagged state-recording tree structure.